Eric Kearney
Machine Learning Engineer

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SKILLS

Languages: Python (PyTorch, TensorFlow, NumPy, Pandas, Flask, OpenCV, PySpark, Jupyter), C/C++, Java, XML, SQL (PostgreSQL, MySQL, SQLite, SQLalchemy)

Tools: Linux (Fedora/Red Hat, Debian/Ubuntu), Git, Docker, AWS, Docker, Apache Spark & Hadoop, CI/CD Tools (Jenkins, Jira, Confluence)

Development Processes: Agile, Scrum, DevOps

EXPERIENCE

Raytheon Technologies – Aurora, CO   Aug. 2019 - Present

Software Engineer, Joint Polar Satellite System   Nov. 2021 - Present
- Supported the File Transfer System by correcting bugs discovered by other engineers and end-users
- Developed new features to streamline and simplify development process
- Refactored code after release to improve readability and efficiency
- Dynamically reconfigured system to meet changing customer needs

Scrum Master, HP Replacement of IBM Products   Mar. 2021 - Nov. 2021
- Organized small team during the process of migrating server infastructure
- Ran quick and effective daily standups
- Effeciently eliminated blockers
- Team was consistently a top performer

Test Engineer, GPS-OCX   Aug. 2019 - Mar. 2021
- Wrote clean, low overhead unit and functional tests
- Processed reported issues and discrepencies into work orders
- Identified high priority issues and worked closely with leadership to help determine which engineer(s) would be best suited to individual tasks

PROJECTS

Movie Box Office Predictor
- Worked with a small team to create a model that predicts IMDB ratings, Rotten Tomatoes user and critic score, and Box office performance of movies
- Manipulated data obtained from many sources and joined them together into a single data table

Blackjack Bet Optimzer
- Created a model that determines optimal bets to maximize returns in a game of Blackjack based on the state of the deck using the Hi-Lo card counting strategy

Email De-anonymizer
- Used a publically availble dataset of emails sent by upper management at Enron to train a model that reads an email and predicts which manager wrote that email
- Accuracy of about 80%

EDUCATION

Colorado State University
Jan. 2022 - Dec. 2025 (expected)
- Master's in Computer Science
- Concentration: Machine Learning and Data Science
- GPA: 3.67

Metropolitan State University of Denver
Jan. 2017 - May 2019
- Bachelor's in Computer Science
- Awarded by the department of Computer Science for "Exceptional accomplishments in Computer Science"
- GPA: 4.00